

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of Bottou et al.

Serial No.: To Be Assigned Examiner: To Be Assigned

Confirmation No.: To Be Assigned Art Unit: To Be Assigned

Filed: Herewith

For: COMPRESSION OF PARTIALLY-MASKED IMAGE DATA

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Mail Stop Patent Application  
Commissioner for Patents  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §1.97(b)**

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56, Applicant(s) hereby submits the following information in conformance with 37 C.F.R. §§1.97 and 1.98.

- Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
- No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. 09/947,410 to which the above-identified application claims priority under 35 U.S.C. §120.
- Publication(s) \_\_\_\_ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to \_\_\_\_ application serial no. and mailed on \_\_\_\_.
- Enclosed is a copy of a non-English publication(s) \_\_\_. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
- Enclosed is a copy of a non-English publication(s) \_\_\_. English language publication \_\_\_\_ (copy enclosed) claims priority from this non-English publication.
- Enclosed is an explanation of non-English publication(s) \_\_ for which an English translation is not available.
- Enclosed is an English translation of non-English publication(s) \_\_ cited in the attached Form PTO/SB/08A.

[X] The Examiner's attention is directed to co-pending patent Application Serial No. 09/947,410, which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination of the present application..

This Information Disclosure Statement is filed within any one of the following time periods:

- [X] within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
- [ ] within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;
- [ ] before the mailing date of a first office action on the merits; or
- [ ] before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. § 1.114.

It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Respectfully submitted,

Dated: 11/26/03

By:

  
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PTO/SB/08A (08-00)

<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				<i>Complete if Known</i>	
				Application Number	To Be Assigned
				Filing Date	Herewith
				First Named Inventor	BOTTOU ET AL.
				Group Art Unit	To Be Assigned
				Examiner Name	To Be Assigned
Sheet	1	of	2	Attorney Docket Number	112817CON-2 (ATT.0140002)

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

**4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.**

5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				<b>Application Number</b>	To Be Assigned
				<b>Filing Date</b>	Herewith
				<b>First Named Inventor</b>	BOTTOU ET AL.
				<b>Group Art Unit</b>	To Be Assigned
				<b>Examiner Name</b>	To Be Assigned
Sheet	2	of	2	Attorney Docket Number	112817CON-2 (ATT.0140002)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		"Oncologic Image Compression Using Both Wavelet and Masking Techniques," by F-F Yin et al, <i>Medical Devices, American Institute of Physics</i> , New York, US, Vol. 24, No. 12, 1 December 1997, pages 2038-2042, XP000767423.
		"Image Restoration by the Method of Convex Projections: Part I – Theory," <i>IEEE Transactions on Medical Imaging</i> , IEEE Inc., New York, US, Vol. 1 MI-1, No. 2, October 1982, pages 81-94, XP0001053628.
		Bottou, Leon et al.: <i>High Quality Document Image Compression with "DjVu"</i> , Journal of Electronic Imaging, July 1998, Vol. 7, No. 3, pp. 417-420.
		Santago, Pete et al.: <i>New Solution for Frequency and Pixel Domain Coding Using Convex Sets</i> , SPIE, August 1985, Applications of Digital Image Processing VIII, Vol. 575, pp. 66-70.
		Faryar A. Farid et al.: <i>Transform/Time Coding Domain Using the Method of Projection onto Convex Sets</i> , Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 1985, Vol. 1, pp. 351-354.
		Antonini, Marc et al.: <i>Image Coding Using Wavelet Transform</i> , IEEE Transactions on Image Processing, April 1992, Vol. 1, No. 2, pp. 205-220.
		Chen, Homer H. et al.: <i>A Block Transform Coder for Arbitrarily Shaped Image Segments</i> , IEEE 1994, AT&T Bell Laboratories, Holmdel, NJ, pp. 85-89.

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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